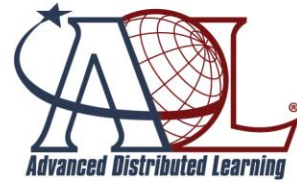# The Future of SCORM®

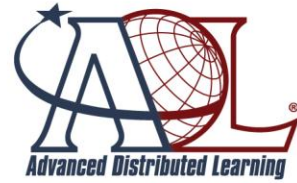## I/ITSEC 2010

Jonathan Poltrack, ADL Technical Lead

ADL History

- ADL was founded in 1997 to standardize and modernize training and education delivery for U.S. Department of Defense (DoD)

- Collaborate with government, industry, and academia to promote international specifications and standards for designing and delivering learning content
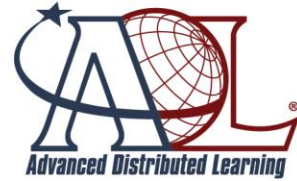
ADL "ilities"

- **Accessibility**
  Ability to locate and access instructional components from multiple locations and deliver them to other locations

- **Interoperability**
  Ability to take instructional components developed in one system and use them in another system

- **Durability**
  Ability to withstand technology changes over time without costly redesign, reconfiguration, or recoding

- **Reusability**
  Ability to use instructional components in multiple applications, courses, and contexts
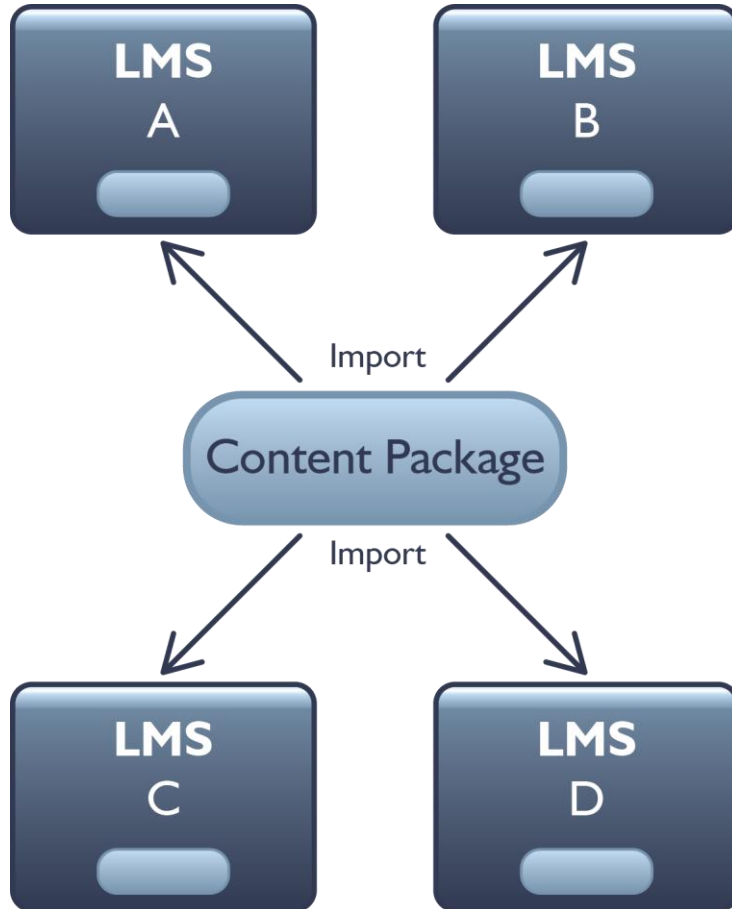
SCORM Requirements

- Enable the exchange of courses between LMSs via a packaging format

- Enable content-to-LMS communication

- Promote the reuse of content across different courses

- Enable sequencing of content tailored to the individual
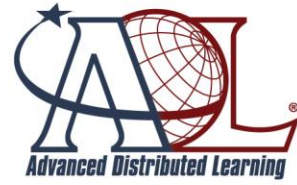
Then…

Distributed Content

- Content Packages imported into LMSs
- Content duplicated in each system
- LMSs house the content, control access and manage learner data
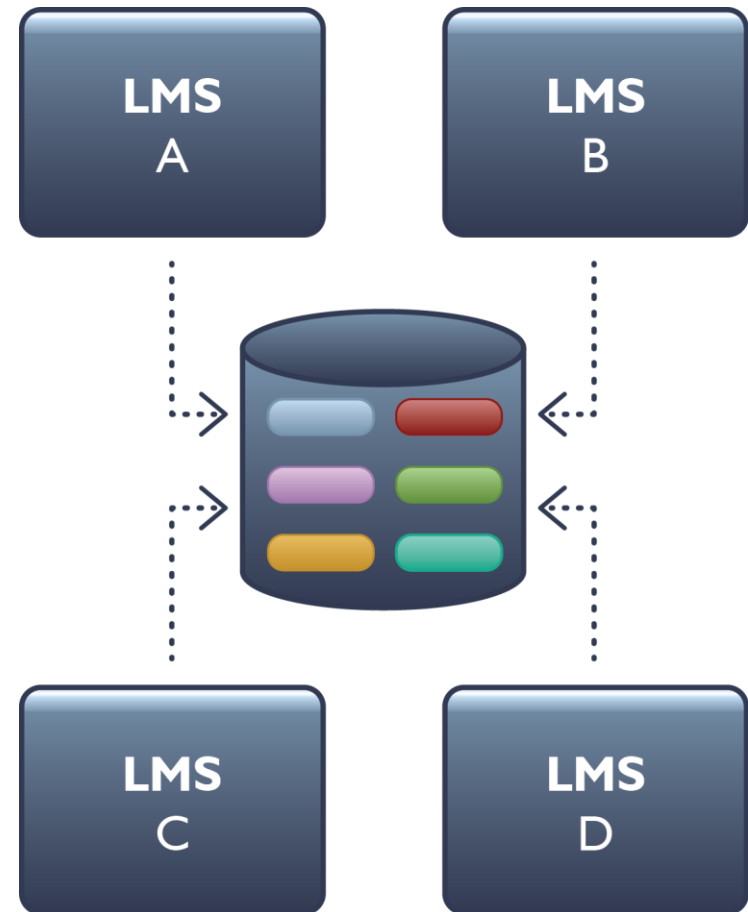- Difficult to manage content lifecycle
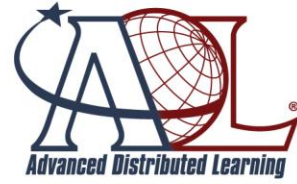
Now...

Wanted...
A New Content Model

- Content As A Service

- Repositories and Content Servers house content

- LMSs reference the authoritative version of the content

- Service interfaces control access and learner data

Will SCORM "Work"

- Many organizations have created middleware to enable SCORM to operate in the new environment

- Many solutions are proprietary implementations for a single system

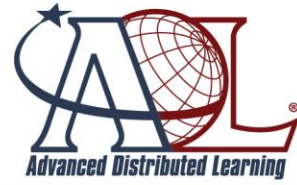- Do we update SCORM to work in this environment? **No.**

Why "No"?

- The SCORM works
- The SCORM is widely adopted
- Issues arise from a changing SCORM document set – SCORM 1.2, SCORM 2004 1st, 2nd, 3rd and 4th Ed.
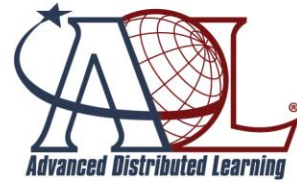- A new environment requires a new approach

- Complete the SCORM by releasing an updated SCORM 2004 4ᵗʰ Edition
- No changes in functionality
- Updates include:
  - 508 Compliance
  - Technical Clarifications
  - Typo Corrections

SCORM and ISO

- The current ISO SCORM technical report is based on SCORM 2004 3rd Edition

- After completing the SCORM 2004 4th Edition updates, resubmit to ISO

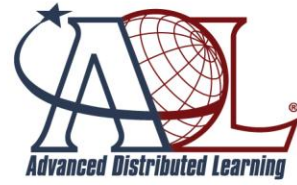*Help us by sending comments, errors, suggestions via the ADL Help Desk*

SCORM Software

- As part of the SCORM 2004 4th Edition update, the following software may be updated and released
  - Test Suite
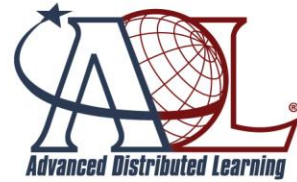 - Sample Run-Time Environment
  - RELOAD
  - Content Examples

Web and Help Desk

- SCORM 2004 information will continue to be released on ADLnet.gov

- SCORM Version 1.2 information will be created and released to ADLnet.gov

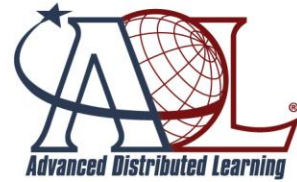- ADL Help Desk support will continue

Certification and DoDI

- Currently, SCORM Version 1.2 and SCORM 2004 3rd Edition Certification is available

- SCORM 2004 4th Edition Certification is in development

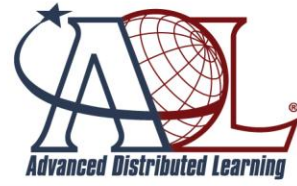- ADL plans to update the DoD Instruction to reflect our SCORM position

Legacy SCORM Content

- Legacy SCORM content will be supported moving forward

- ADL recommends that systems and content continue to support the SCORM

- Moving forward, SCORM content will be compatible with new ADL work

Questions?

Thank you for attending